CITY OF RIVERSIDE

HUMAN RESOURCES DEPARTMENT

CLASSIFICATION SPECIFICATION

TITLE: **TRAFFIC SIGNAL MAINTENANCE SUPERVISOR**

DEFINITION

Under general direction, to plan, assign, supervise and inspect the operation, maintenance, modification and construction of all traffic signals and associated equipment; and to do related work as required.

REPORTS TO: Traffic Engineer

SUPERVISION RECEIVED AND EXERCISED

Receives supervision from the Traffic Engineer. Provides general and direct supervision to Traffic Signal Technician II and Traffic Signal Technician I.

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Develop and implement procedures and practices for the safe and effective preventive maintenance of traffic signals.

- Develop inspection procedures and practices for quality acceptance of new traffic signal controllers and related hardware.

- Design and maintain traffic signal equipment database.

- Plan check and inspect new traffic signal modifications and installations.

- Design and construct new test equipment, test fixtures and specialized modifications of traffic signal control equipment.

- Develop technical specifications for new traffic control equipment and assist in the design of new intersections, coordinated systems, signal phasing and timing.

- Provide and implement training programs to comply with current OSHA requirements and City loss prevention program.

- Maintain Material Safety Data Sheets and hazardous material reporting logs.

- Plans, assigns and supervises the work of skilled technicians engaged in the modification, maintenance and repair of traffic signal equipment and related items.

- Maintain work and inspection records and prepare reports as required.

- Assist in budget preparation and administration.

- Supervise, train and evaluate subordinates.

QUALIFICATIONS

Knowledge of:

- Construction, maintenance, inspection and design practices with regard to traffic signals, master control systems, data and radio communication systems.

- Design and repair of complex electronic systems, including microprocessor based controllers, spread spectrum radio systems, and networked computer systems.

- Principles and practices of supervision, training and performance evaluation.

- Occupational hazards and standard safety precautions necessary in the work environment.

Ability to:

- Perform a broad range of supervisory responsibilities over others.

- Develop strategic plan for effective utilization of maintenance resources.

- Implement department objectives.

- Maintain a work environment dedicated to excellence and technical innovation.

- Work overtime as required.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to the completion of high school graduation supplemented by college or technical school training with the majority of course work in the field of electrical or electronic engineering. Advanced training directly related to traffic signal control systems is highly desirable.

Experience: Five years of experience in the maintenance, repair and construction of traffic signal installations including experience in employee supervision, component level repair, communication systems, coordination control systems, vehicle pre-emption systems and radio interconnect. Personal computer experience in a networked environment is highly desirable.

MEDICAL CATEGORY: Group 2

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "B" California Motor Vehicle Operator's License.

Possession of, or the ability to obtain, a Level II Signal Certification, Microprocessors in Traffic Signals Certification, and Work Zone Traffic Control Certification from the International Municipal Signal Association. Possession of Federal Communications Commission Certification as a radio technician or equivalent is highly desirable.

Must have normal color vision.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Traffic Signal Maintenance Supervisor

TO: